



# AHS UPDATE

*A Newsletter from the Academy of Health Sciences*

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The *AHS Update* is a quarterly newsletter, produced by the Office of the Dean, Academy of Health Sciences (AHS), Army Medical Department Center and School. The purpose of this newsletter is to deliver the latest information regarding AHS educational offerings, training products, research, and current issues to leaders and professionals in the Active and Reserve Components of the Army Medical Department and the Military Health System.

## **Message from the Dean, Academy of Health Sciences**

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The Academy of Health Sciences' (AHS) teaching staff provides world class medical, doctrinal, operational, and leadership training for Active, Reserve and National Guard Army Medical Department (AMEDD) personnel throughout the world. Our goal is to ensure that instructional material provided in our classrooms and DL products are current, relevant, and contain the appropriate OIF/OEF lessons learned. We want to ensure that AMEDD personnel are the best prepared to accomplish their mission to the highest standard. This first edition of the AHS Newsletter will provide you an update on what your school is doing to support you.

### **1. Warrior Training.**

Educating soldier-medics to provide the best medical care is our number one mission. In addition to this important mission, we must train AMEDD soldiers to protect themselves on the battlefield. To accomplish this mission, the AHS incorporated "Warrior Ethos Training" into our MOS producing Programs of Instruction (POI). We currently train 25 of the 39 "Warrior Tasks" and 9 of 9 "Battle Drills." Some of the tasks and drills trained include combatives, convoy training, weapons qualification, and urban operations.

### **2. Exportable Training Packages.**

Over the past year, AHS personnel developed several exportable training packages to provide "just-in-time" training for deployed personnel. A current listing of exportable training packages is located at: <http://www.cs.amedd.army.mil/deployment2.aspx>. Last year, the focus was on the TOE Soldier (Brigade Surgeons Course, Leadership Training, Tactical Trauma Casualty Care (TC3), Hemorrhage Control, Proper Tourniquet use, Ethics-Detainee Care, Compassion fatigue). This year we would like to assist our MTFs. Are there special educational needs that exist in our MTFs that we can focus on? How do we standardize the educational process across the board? For example-How can we best prepare our junior and mid-level MTF leaders (Service and Dept Chiefs, Wardmaster, Head Nurse, etc)? How can we leverage the Baylor-HCA and Leader Training Center program to standardize training across the enterprise for our new leaders-leadership, negotiation skills, conflict resolution, evaluation systems, feedback, dealing with the union, dealing with CPO, metrics, JCAHO, budget management, etc-to ensure their success? What are your ideas? Is there a need?

Our recent Medical Ethics and Detainee Healthcare Operations Course CD-ROM covers many different aspects of Detainee Healthcare and Ethics and is designed to provide an overview of each topic with links to embedded resource information and websites. The interim product is on the AMEDDC&S homepage. The final product is due for completion the end of November/first of December.

### 3. Trauma Training.

Ensuring AMEDD personnel possess the necessary trauma management knowledge and skill-sets before deployment is one of our highest priorities. We are reviewing the life-cycle development model for enlisted and officers across the many AMEDD facilities and training venues to determine the best way to train and sustain these important life-saving skills. Personal qualifications, life-saving certifications and didactics augmented by simulation training and a Level 1 trauma experience are the major components of a comprehensive trauma training strategy that is under review.

The **Tactical Combat Casualty Care Course** is an important training program worth emphasizing in this first edition of the AHS Newsletter. All AMEDD personnel must be familiar with the principles taught in this course. Traditional lifesaving courses (ACLS, ATLS, BTLs, and PHTLS) provide medical personnel the basic information necessary to assess, stabilize, and transport patients to civilian hospitals. Although excellent training modules, these lifesaving courses do not specifically prepare military medical personnel to evaluate, stabilize, treat, and transport patients in a tactical setting. Special Operations' surgeons, along with other military surgeons and medical providers, developed the Tactical Combat Casualty Care Course to address this important **gap** between civilian and battlefield medicine. These subject matter experts utilized lessons learned from ODS/DS, casualty care data, ICRC input, ATLS and PHTLS principles, critical care, emergency medicine, trauma, and other medical literature to develop a conceptual framework for providers and support personnel to provide battlefield casualties the best medical care (one-hundred forty-one references are listed in their original publication). Tactical Combat Casualty Care in Special Operations was originally published as a supplement to Military Medicine (Vol 161, August 1996). In 1999 TC3 was endorsed by the American College of Surgeons and the National Association of EMTs and was published in the 4<sup>th</sup> edition of the PHTLS manual. TC3 principles prepare medical personnel to identify and manage 90% of preventable deaths on the battlefield-airway problems, tension pneumothorax, hemorrhage from extremity wounds and hypothermia. Hypotensive resuscitation is also introduced to manage patients on the battlefield. In addition, the course provides a conceptual framework for providers and support staff to better understand their role on the battlefield and how to best evaluate and treat soldiers under various tactical conditions.

Incorporating TC3 principles into the appropriate courses at the AMEDDC&S is well underway. These principles have been incorporated into combat life saver training (CLS-TC3 course), 91W training, CTT, EFMB and for physicians, PAs, and NPs in the newly developed Tactical Combat Medical Care (TCMC) course at the AMEDD C&S. Registered nurses participate in the Trauma Nurse Core Course (TNCC) during attendance at the AMEDD Officer Basic Leadership Course.

A TC3 training and certification program was developed by DCMT personnel to train enlisted medics, administrative personnel and Level 1 and 2 providers.

### 4. Defense Medical Education Training Center (DMETC).

The Base Realignment and Closure Commission recently announced that the AMEDDC&S will be transformed into the Defense Medical Education and Training Center (DMETC). All Army, Navy and Air Force enlisted medical training will be conducted in San Antonio. This change will result in the doubling of our full time daily student average to over 9000.

### 5. Curriculum.

Resident, correspondence and DL courses are under review to ensure the information is current, relevant and contains the appropriate OEF/OIF lessons learned. Let us know if you have any comments/suggestions regarding improving our courses.

## 6. Collaboration.

Increasing our collaborative efforts regarding research, visiting professorships and clinical training between appropriate federal, state and local training institutions makes a lot of sense in our current environment. We plan to build on our current program.

We exist to serve you, the Soldier-Medic on the battlefield and in our MTFs, by providing fully-trained medical personnel and the best training products and courses. Please let us know what we can do to assist you.

## **AHS Department Updates**

### **Department of Academic Support and Quality Assurance**

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The Department of Academic Support and Quality Assurance (DASQA) oversees the AMEDDC&S Commander's Quality Assurance Program. The department provides quality assurance and academic support services to the AMEDDC&S elements. This includes library services, staff and faculty development training, registrar services, non-resident training programs, automated training development, evaluation of training, training management, classroom support, multi media training delivery, and publication of the *AMEDD Journal* and *OUTLOOK*.

The DASQA led the AMEDDC&S initiative to implement Warrior Ethos training into all MOS- producing courses. This was accomplished by providing training to new instructors, developing Course Administrative Data for course length increase requests, developing and adapting standardized lesson plans in ASAT, and conducting schedule analysis to determine shared training opportunities.

The department prepared programs of instruction for courses to be evaluated by the American Council on Education (ACE) for college credit recommendations. ACE site visits have resulted in a significant increase in semester hours of recommended college credit for AMEDDC&S courses. An ACE site visit will be conducted JAN 06.

The DASQA serves as the lead agent in the development of a self-study in preparation for the Council on Occupational Education (COE) accreditation visit. The COE is a national agency that accredits military, federal agency, public, private career, and nonprofit training institutions. Completion of the self-study, along with the COE team site visit, will maintain AMEDDC&S's institutional accreditation status and recognition as a quality educational institution.

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### **Department of Clinical Support Services**

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The mission of the Department of Clinical Support Services (DCSS) is to educate and train quality technicians in the fields of medical laboratory (91K), radiology (91P) and pharmacy (91Q). The DCSS also provides introductory and advanced training to officers and junior and senior NCOs in these specific specialties. The DCSS provides subject matter expert training to specific MOS, ASIs and Areas of Concentration (AOC) within the AMEDD and information and training to other DoD facilities, worldwide and third world countries.

DCSS personnel provided support during 2004/2005 in the following areas:

a. Pre-deployment training to individuals and units requiring initial or refresher training on Deployable Medical Systems (DEPMEDS) equipment to specific laboratory, pharmacy and radiology related MOSs, ASIs, and AOCs.

- b. Technical support and expertise in medical laboratory and pharmaceutical sciences to Joint Task Force-Bravo, Honduras, OIF and OEF.
- c. Expertise and consultative services to the country of Afghanistan on establishing a laboratory training facility for blood bank, chemistry, hematology and microbiology techniques and procedures.
- f. Developed doctrine regarding the medication use policy in support of OEF and OIF.
- g. Training and instruction to attendees at the American Medical Technology annual state meeting.
- h. Representation on the DoD's Stakeholder's Policy Council for the Pharmacy Technician Certification Board.

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**Department of Dental Science**  
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The Department of Dental Science, in collaboration with the Force Modernization Training Branch of the Department of Training Support, produced a video CD of the Dental Field Treatment and Operating System (DEFTOS). The DEFTOS utilizes the latest electric motor driven hand-piece technology and incorporates all of the functionality to perform any dental procedure from cleaning to oral surgery. It is a self-contained lightweight user friendly Dental Treatment Unit. It includes an oil-less air compressor that provides air to the water and air supply subsystems, a self-contained water supply for hand-piece coolant, and water reservoir for collection of liquids and solids from the vacuum supply subsystem. It also replaces the air driven hand-piece with the electric hand-piece.

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**Department of Health Service Administration**  
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Throughout 2005, the Department of Health Services Administration has brought about many accomplishments in concert with training guidance from the Commanding General, AMEDDC&S.

The main product line of the Army-Baylor Program will continue to be the Masters of Healthcare Administration; soon however, the program will offer a dual MHA/Master of Business Administration degree. Several improvements in the curriculum will continue to provide the field with healthcare executives and decision makers trained in current tools, resources, and skills.

The Logistics Management Branch (LMB) has increased its up-to-date automation training (e.g., DMLSS and TCAM) to the 70K, 670A, 91J, and 8BF22 programs of instruction and has included lessons learned from OIF/OEF, adding more realism and relevance to the curriculum. The LMB has significantly improved and updated the DL modules for both the Medical Logistics Systems Management Course and the Medical Logistics Specialist Course. In addition, the branch has begun to integrate Warrant Officers into the Captains Career Course/ Combined Logistics Captains Career Course as part of the Warrant Officers Advanced Course, in accordance with the Chief of Staff of the Army's operation order.

The Patient Administration Branch has developed and executed multiple just-in-time (JIT) pre-deployment training for Level II and III combat health support units (from Active and Reserve Components) in support of OIF/OEF. It also developed and conducted the Patient Administration Officer Individual Ready Reserve Rapid Training and the Patient Administration and USTRANSCOM Regulating and Command & Control Evacuation System (TRAC2ES) Instructor Training Course, which were all new FY 05 additions to the curriculum.

Three military personnel from the Information Management Training Branch were deployed in support of OIF and served as BN S-6 staff officers, developing and planning the automation and communication infrastructure for the combat support hospital. The branch staff planned and conducted three Situational Training Exercises, designed to prepare 50 personnel for their roles and responsibilities as S-6 during deployments in support of OIF/OEF. The team developed an electronic deployment smart book, which included regulations, briefings, computer based instructions, software tools, packing lists, and lessons learned. The team also conducted a 70D Symposium and Critical Task Selection Board for the Medical Information Management Course to examine and/or reengineer the curriculum and evaluate ways to integrate lessons learned from OIF/OEF and prepare sustainment education and training programs.

The Human Resources Management Branch redesigned the semiannual Human Resources Management course. A new addition is the VTC conducted with cohorts in Iraq and Afghanistan, providing the 70F students with keen insights and relevant information. The students actively participated in a capstone exercise where they put their new learning and skills into practice under the guidance and mentorship of subject matter experts.

This year, the Biomedical Equipment Technician Training Branch (Sheppard AFB) focused on rewriting the 91A training course. Career managers from the three services reviewed and modified critical tasks, consolidating them into a workable curriculum. Over \$250K was spent to update program electronics hardware and software packages and 50% more hands-on time for experiments was developed.

The Deployable Medical Systems Equipment Training Branch (Camp Bullis) developed lessons for and tested the fielding of the new Alaskan Shelter Tents, assisted the AMEDD with the field lab chemical test equipment, and briefed the Military Health Training Commander of South Africa on Deployable Medical Equipment.

At every turn, we have aggressively worked to integrate Soldier Warrior Ethos training tasks and lessons learned from OIF/OEF into our training programs, improving our Soldier's readiness and deployment posture. Moreover, DHSA has successfully ensured technological advances are leveraged to the extent economically feasible.

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**Department of Medical Science**  
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The Department of Medical Science conducts education and training for resident officer and enlisted courses and MS/MC/AMSC corps-specific training. The department has 3 MOS-producing courses: the Respiratory Therapist Course (91V), the Nutritional Care Specialist Course (91M), and the Optical Laboratory Specialist Course (91 H), which is conducted with the Navy at the Naval Weapons Station in Yorktown, PA. The department also offers ASI-producing courses for physical therapy, orthopedics, occupational therapy, ENT, eye, and cardiovascular specialists.

The Army Trauma Training Center, located at the Ryder Trauma Center in Miami, Florida, provides real-life trauma surgery training for Active and Reserve Component Forward Surgical Teams, preparing them for deployment to combat zones. Rotations vary from 14 days to 3 weeks and consist of a series of lectures, case-reviews, and intense clinical trauma care experiences.

The Department of Medicine also conducts several post-graduate programs, to include the Interservice Physician Assistant Program, which awards a Masters in Science of Physician Assistant Studies degree from the University of Nebraska, and the U.S. Army/Baylor University Doctoral Program in Physical Therapy. The Nutrition Care Branch will be beginning a new Master of Science/Dietetic Internship program by FY 07.

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**Department of Nursing Science**  
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The Department of Nursing Science is proud to announce the following educational initiatives launched during FY 05:

**Army Nurse Professional Development Branch:** All AOC producing courses (Critical Care, Emergency Nursing, Perioperative, OB/GYN, and Psychiatric Nursing) were updated to incorporate lessons learned from OIF/OEF. The Trauma Nursing Core Course was added to the Officer Basic Course Nurse Track to better prepare new graduate nurses for deployment. A new interactive AMEDD Hospital Educators Website was launched to share information, resources, and training schedules between all CONUS and OCONUS educators.

**US Army Graduate Program in Anesthesia Nursing (USAGPAN):** The Master's Degree program implemented new advances in the science and technology of graduate instruction and anesthesia simulation through a \$300,000 renovation of instructional facilities and simulation labs. Incorporating lessons learned from OIF/OEF, the program uses new state of the art Human Patient Simulators (Medical Education Technology, Inc) to prepare nurse anesthetists to care for patients in both the TDA and TOE setting. Using complex computer algorithms, the human simulator allows for realistic profiling of any drug and provides physiologic effects in real time on patients ranging from the premature neonate to the geriatric patient.

**91D Operating Room Specialist Branch:** Curriculum was updated to incorporate lessons learned from OIF/OEF to include trauma management, detainee health care, and pharmacologic hemostatic agents. Phase 1 integrated 19 Warrior Tasks and battle drills into a 72 hour FTX and a new distance learning exportable/online 91D Phase 1 course was developed and is currently being evaluated by TRADOC for distribution. Students attending the Basic NCO Course are being trained on a new operating room management scheduling software and the initial distribution of a faculty "toolbox" to all 91D Phase 2 sites was completed. A new Phase 2 site was opened at the San Antonio Audie Murphy Veteran's Hospital that provides 91D students with a rich, multi-specialty surgical experience.

**91WM6 Practical Nurse Branch:** The Army's 91WM6 program continues to excel with 97% of the graduates passing their certification boards on their first attempt-- compared to the national average of 88%. Numerous enhancements were added to Phase 1 to include curriculum updates which incorporate lessons learned from OIF/OEF, the addition of state of the art simulators for realistic training, a computer lab and tutoring programs, and services to identify and assist at-risk students. As a result of these initiatives, attrition has fallen from 15% to 5% and students are better prepared for the challenges of Phase 2.

**91WM3 Dialysis Technician Course:** The course was completely revamped and updated to capture the latest innovations in the field. Starting January 2006, two classes will be offered per year and prerequisites have changed to allow Soldiers through the rank of Staff Sergeant the opportunity to achieve this additional skill identifier.

**Essentials of Critical Care Orientation:** The Department of Nursing Science and the American Association of Critical Care Nurses (AACN) entered into a 5-year partnership to use AACN's *Essentials of Critical Care Orientation (ECCO)* distance learning course as refresher and readiness training for Army Nurse officers and Department of Army Civilian (DAC) nurses returning to the critical care environment or preparing for deployment. Students receive 64 continuing education units as well as credit in ATRRS for course completion. All registration fees (\$175 per student) have been paid to train 2,205 Active/Reserve Component and DAC nurses through FY 09. These numbers are in addition to the 795 ANs selected by the US Army Human Resources Command and DAC nurses selected by their Chief Nurses for follow-on attendance to the Critical Care/Emergency Nursing and Anesthesia Nursing Courses.



**Department of Pastoral Ministry Training**  
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Pastoral Ministry Training continues to focus on preparing ministry teams for battlefield medical ministry. Since January 2005 we have conducted three Combat Medical Ministry courses and four Emergency Medical Ministry courses to equip our deploying Unit Ministry Teams (UMT) that included exported courses conducted in Landstuhl Regional Medical Center in Germany. Our department is also working on developing a new course to address training needs of Unit Ministry Teams that will be assigned to future Combat Operational Stress Units. Please go to our internet site to check on our training schedule for the next year as well as other helpful information. You can register for courses on line. The department website is: <http://www.samhouston.army.mil/chaplain/DPMT/default.aspx>

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**Department of Preventive Health Services**  
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The Department of Preventive Health Services (DPHS) provides training in preventive medicine, behavioral sciences, and medical NBC defense to officers, warrant officers, enlisted, civilians, U.S. and allied personnel worldwide.

The Mental Health Specialist Branch has instituted several changes in the Mental Health Specialist Course (91X10), to include: incorporating Combat Lifesaver training, ensuring skills sets are taught prior to the field training exercise (FTX) to allow students more time to practice skills prior to graduation, lengthening the FTX to incorporate Warrior Tasks training along with MOS-related tasks, and revising the combat stress control section of the course to incorporate new doctrine and lessons learned from deployments.

The AHS and Idaho National Laboratories developed a 7-day course encompassing response to radiological hazards and base camp assessments for radiological hazards. This course was developed to train preventive medicine officers and preventive medicine specialists in responding, identifying, and mitigating radiological threats. The threat scenarios incorporated the simulated detonation of a radiological dispersal device and recovery operations for orphaned radiological sources. Course participants received didactic training in calculations for exposure and dose, hands-on use of detection and identification equipment, and implementation of Army operations in a deployed environment. The course culminated with a 2-day FTX incorporating the previous 5 days of training.

In response to a request for a web-based radiation safety training program, the AMEDDC&S created a web-based module and a training CD to address both clinicians and non-clinicians. This is the optimum product at this time for sustaining radiation safety training for coalition medical personnel in theater, due to the complexity of maintaining an adequate radiation program in Iraq. The training includes the administration of a knowledge based exam to ensure service members meet the regulatory requirements per AR 11-9, The Army Radiation Safety Program. The websites for the web base module are:

- <http://www.cs.amedd.army.mil/ddl/streaming/Upload/RSTNweb.exe> (non-clinicians).
- <http://www.cs.amedd.army.mil/ddl/streaming/Upload/RSTC2.exe> (clinicians).

The Soldier and Family Support Branch developed and conducted the first Sexual Assault Medical Management Course this past August in San Antonio, TX. The branch also developed and distributed over 250 copies of its Behavioral Health (BH) resource DVD, which provides a mobile resource database for BH related mission support.

The DPHS is working with the Center for Health Promotion and Preventive Medicine to rewrite FM 8-250, Preventive Medicine Specialist. This is the first major rewrite of this document in over 20 years and will serve as the fundamental guide for the 91S MOS Preventive Medicine Specialist.

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**Department of Training Support**  
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The Department of Training Support systematically assesses the requirement for and develops AMEDD instructional products, unit training strategies, training materials, and devices to train and sustain army medical readiness for peace and war. The products developed include mission training plans, interactive multimedia instruction, Army Systematic Modular Approach to Realistic Training (ASMA) packages, training support packages, and other sustainment training materials.

There are currently seven deployment relevant training programs posted on the AMEDDC&S web-site available for use: Extremity Hemorrhage Control, Ethics-Detainee Care, Compassion Fatigue, Tactical Combat Casualty Care, Brigade-Division Surgeon's Course, Basic Leadership Course, and Deployment Medicine Resources. Training materials can be accessed from the internet with the following link: <http://www.cs.amedd.army.mil/deployment2.aspx>.

Currently the Expert Field Medical Badge (EFMB) program is going through a review process that includes the implementation of ST 4-02.46 Medical Support to Detainee Operations into the EFMB written test.

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**Department of Veterinary Science**  
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Department of Veterinary Science (DVS) training continues to focus on animal care and food safety as well as support to medical and humanitarian efforts globally. Through familiarization with and implementation of new technology, use of lessons learned from OEF/ OIF, instructors with diverse backgrounds supporting Combatant Commanders, and fine-tuning our course contents we continue to improve the quality of training. We completed the development and approval of a new 91R Critical Task List which emphasizes the war-fighter support mission in early spring 2005; and we have almost completed the development of a new Soldier Training Plan/Unit Training Guide.

In an effort to provide better support to the Reserves and our dispersed duty sites, DVS received funding for a TRADOC Distance Learning XXI project for Veterinary Food Inspection Specialist (91R10) training which will be fielded in August 2006. We anticipate receiving funding to develop 91R30, Warrant Officer Preparatory Course, and 91T30 Distance Learning training this year, which will be fielded in FY 07. We are actively supporting RC and AC units preparing to deploy through in-house courses, special-request courses, and Training and Assistance Teams. We assumed responsibility for the Clinical Proficiency Course from the DODMWDVS last spring and will be expanding the course in terms of topics, time and number of attendees. Several instructors provided CME training to the 100<sup>th</sup> Medical Detachment this fall, and DVS has received several more requests for training to include CME training for Veterinarians in support of OEF/OIF.

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**International Military Student Office**  
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Every year, hundreds of international military and civilian students from more than 75 countries come to the AMEDDC&S to gain valuable training in their respective career fields. Students' ranks vary from privates to general officers. Many of the students trained at the AMEDDC&S are now senior officers in highly ranked governmental positions in strategic countries-- key allies in the Global War on Terrorism. Surgeons General from Afghanistan, Iraq and the Philippines are amongst the school's alumni.



The AMEDDC&S international training program falls under the DOD Joint Security Assistance Training Program, which is designed to strengthen U.S. alliances globally and create new relationships with international partners, all part of our national security strategy. While their students learn a great deal during their training at the AMEDDC&S, they also contribute quite a bit to its mission. Many of the students are educators, publishers, instructors and deans of their respective countries' military academies, sharing valuable knowledge with U.S. counterparts.

Of more than 200 courses available at the AMEDDC&S, 67 are offered to the international community through the annual Training Program Management Review (TPMR) held by each Combatant Command. Attendance to these courses by foreign students is also a great opportunity for U.S. soldiers to become familiar with other cultures and gain indispensable skills for future assignments.

In addition to resident training, the AMEDDC&S hosts numerous visits by senior international leaders to expand exchanges between military medical experts and to develop training agendas that meet a country's specific trip goals and objectives. Recently, the AMEDDC&S hosted the first military delegation from Vietnam as part of the U.S. enhanced relationship with that nation. The U.S. Army international training program at the AMEDDC&S is vital to prevailing against our nation foes through the center's mission to "conserve fighting strength".

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**Leader Training Center**  
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During the last calendar year, the Leader Development Branch (LDB) initiated the transition of the AMEDD Officer Basic Course to the AMEDD Officer Basic Leaders Course (OBLC). The new AMEDD OBLC is designed to bring the AMEDD in-step with the Army's transformation of the Officer Education System, beginning with the Army Basic Officer Leaders Course (BOLC). The intent of Army BOLC and the AMEDD OBLC is to produce confident and competent junior leaders, imbued with the warrior ethos, trained to a common standard and prepared to lead small units upon arrival to their first duty assignment. In order to handle the significant increase in academic and field training instructor workload incurred with the AMEDD OBLC, we have hired under contract experienced and qualified retired senior noncommissioned officers as OBLC instructors to work in concert with our active duty military officer and NCO instructors.

The Medical Operations Branch (MOB) has incorporated Warrior training into the AMEDD Captains Career Course (CCC). Every AMEDD CCC student receives ten 90 minute sessions of combative training during the 9 week course, which demonstrates the importance of our role as Soldiers first. A major revision effort is underway to ensure that the AMEDD CCC remains current and relevant, challenging our leaders to critically think, solve military problems, and possess the capability to accomplish the mission in our contemporary operating environment. In April 2005, a \$2.5 million contract was let to revise the distributed learning (DL) portion of the AMEDD CCC. MOB officers and NCOs, in concert with the contractor, are updating 109 hours of DL instruction with an estimated completion date of October 2006.

The AMEDD Executive Skills Program has created The Center for Leadership Excellence in Healthcare (CLEH). The CLEH was designed to capture leadership thought within the Federal Healthcare System and to share these ideas and practices through publications and presentations. The CLEH has created a website in order to facilitate this mission. The website address is <http://cleh.amedd.army.mil>

The Homeland Security Branch is completing the development of six CBRN Distributive Learning courses. The courses were developed from 56 CBRN Modules that are in the final stages of development and will be placed on the TRADOC Learning Management System. The six courses have a Hospital Administrators Homeland Security Course, a Hospital CBRN Preparedness Course, and one course each in Biological, Chemical, Nuclear, and Conventional Warfare Preparedness for

Healthcare Providers. Entire project will be completed in the near future and be available on line for all Department of Defense personnel.

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The U.S. Army School of Aviation Medicine (USASAM) located at Fort Rucker, Alabama is the center for rotary wing aeromedical training, education, and consultation in direct support of all Army rotary wing and fixed wing aviators, flight surgeons, flight medics, aeromedical evacuation pilots, and all DoD aeromedical psychologists deployed worldwide. USASAM is also the Army's center for all Army hypobaric training. USASAM offers the following courses for the Army and joint forces; Flight Surgeon Course, Flight Medic Course, Aeromedical Psychology Course, Joint Medical En Route Care Course, Medical Evacuation Doctrine Course, Aviation Physiology, Air Ambulance Company Pre-Command Course, and assists in Aviation Resource Management Survey (ARMS) inspections.

In response to the mission requirements and lessons learned from OIF/OEF, USASAM developed the Joint En Route Care Course and provided mobile training team support to train Navy helicopter pilots on medical evacuation doctrine.

The Joint En Route Care Course focuses on skills and knowledge in the area of specialized clinical care management of critically injured/ill casualties during tactical conditions on medical evacuation platforms, both ground and air, and the appropriate preparation to limit the stressors encountered in the transport environment. USASAM recently completed two joint pilot courses and was approved by MG Weightman on 11 October 2005 as an official AMEDDC&S course. Enrollment is open to all DoD and DHS components.

The Medical Evacuation Doctrine Course (2C-F7), a two week course focusing on the proper application of medical evacuation doctrine tactics, techniques, and procedures continues to play a vital role in preparing our MEDEVAC pilots for OIF/OEF. In addition to our residence course, USASAM provides a mobile training team to MEDEVAC units throughout our Army and now for the Navy. USASAM is in its second course iteration training Navy pilots in San Diego, California on Army medical evacuation doctrine in support of the Navy's future MEDEVAC role in OIF.

More information on USASAM courses may be located on ATRRS and also on the following websites: <http://usasam.amedd.army.mil> as well as on AKO at [https://www.us.army.mil/suite/portal.do?\\$p=144285](https://www.us.army.mil/suite/portal.do?$p=144285).

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The AHS Update is produced by the Office of the Dean, Academy of Health Sciences (MCCS H), 2250 Stanley Road, Ste 310, Fort Sam Houston, TX 78234-6130. COL David L. Maness, Dean. Mail to: [David.Maness@amedd.army.mil](mailto:David.Maness@amedd.army.mil). Send questions or comments to: MAJ Kenneth Kovats, Assistant to the Dean at (210) 221-7314 or [Kenneth.Kovats@amedd.army.mil](mailto:Kenneth.Kovats@amedd.army.mil). The views and opinions expressed are not necessarily those of the Army, the AMEDD Center and School, or the Academy of Health Sciences.

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